

Appendix for Band 41

Product Name: LTE Module
Model No: Global-7243A4x4CB

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.15	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.82	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.57	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.91	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.90	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.81	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.66	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.88	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.27	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.07	PASS
Band41	5MHz	QPSK	40620	12RB#0	22.53	PASS
Band41	5MHz	QPSK	40620	12RB#6	22.53	PASS
Band41	5MHz	QPSK	40620	12RB#13	22.25	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.19	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.12	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.49	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.31	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.76	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.77	PASS
Band41	5MHz	QPSK	41565	12RB#13	21.53	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.50	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.11	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.87	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.58	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.92	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.91	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.87	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.75	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.98	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.27	PASS

Band41	5MHz	16QAM	40620	1RB#24	22.08	PASS
Band41	5MHz	16QAM	40620	12RB#0	21.60	PASS
Band41	5MHz	16QAM	40620	12RB#6	21.59	PASS
Band41	5MHz	16QAM	40620	12RB#13	21.19	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.17	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.19	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.56	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.39	PASS
Band41	5MHz	16QAM	41565	12RB#0	20.67	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.68	PASS
Band41	5MHz	16QAM	41565	12RB#13	20.55	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.32	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.81	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.19	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.90	PASS
Band41	10MHz	QPSK	39700	25RB#0	22.04	PASS
Band41	10MHz	QPSK	39700	25RB#12	22.04	PASS
Band41	10MHz	QPSK	39700	25RB#25	22.52	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.36	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.36	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.41	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.64	PASS
Band41	10MHz	QPSK	40620	25RB#0	22.55	PASS
Band41	10MHz	QPSK	40620	25RB#12	22.55	PASS
Band41	10MHz	QPSK	40620	25RB#25	22.64	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.53	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.40	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.44	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.97	PASS
Band41	10MHz	QPSK	41540	25RB#0	21.61	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.61	PASS
Band41	10MHz	QPSK	41540	25RB#25	21.76	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.68	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.63	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.02	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.71	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.05	PASS

Band41	10MHz	16QAM	39700	25RB#12	21.05	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.76	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.38	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.40	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.44	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.73	PASS
Band41	10MHz	16QAM	40620	25RB#0	21.61	PASS
Band41	10MHz	16QAM	40620	25RB#12	21.60	PASS
Band41	10MHz	16QAM	40620	25RB#25	21.70	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.60	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.26	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.38	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.85	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.49	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.49	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.66	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.57	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.60	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.36	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.69	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.71	PASS
Band41	15MHz	QPSK	39725	38RB#18	22.63	PASS
Band41	15MHz	QPSK	39725	38RB#37	22.89	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.37	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.34	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.33	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.39	PASS
Band41	15MHz	QPSK	40620	38RB#0	22.30	PASS
Band41	15MHz	QPSK	40620	38RB#18	22.34	PASS
Band41	15MHz	QPSK	40620	38RB#37	22.45	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.37	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.10	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.21	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.65	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.26	PASS
Band41	15MHz	QPSK	41515	38RB#18	21.45	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.86	PASS

Band41	15MHz	QPSK	41515	75RB#0	21.47	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.71	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.50	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.90	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.70	PASS
Band41	15MHz	16QAM	39725	38RB#18	22.63	PASS
Band41	15MHz	16QAM	39725	38RB#37	22.89	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.48	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.32	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.34	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.44	PASS
Band41	15MHz	16QAM	40620	38RB#0	22.30	PASS
Band41	15MHz	16QAM	40620	38RB#18	22.35	PASS
Band41	15MHz	16QAM	40620	38RB#37	22.45	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.41	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.26	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.44	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.85	PASS
Band41	15MHz	16QAM	41515	38RB#0	21.26	PASS
Band41	15MHz	16QAM	41515	38RB#18	21.45	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.86	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.75	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.89	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.76	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.38	PASS
Band41	20MHz	QPSK	39750	50RB#0	22.45	PASS
Band41	20MHz	QPSK	39750	50RB#25	22.45	PASS
Band41	20MHz	QPSK	39750	50RB#50	22.73	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.62	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.53	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.42	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.80	PASS
Band41	20MHz	QPSK	40620	50RB#0	22.53	PASS
Band41	20MHz	QPSK	40620	50RB#25	22.53	PASS
Band41	20MHz	QPSK	40620	50RB#50	22.57	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.62	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.33	PASS

Band41	20MHz	QPSK	41490	1RB#49	22.31	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.95	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.27	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.28	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.57	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.50	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.10	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.98	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.64	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.46	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.46	PASS
Band41	20MHz	16QAM	39750	50RB#50	21.93	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.72	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.42	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.34	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.68	PASS
Band41	20MHz	16QAM	40620	50RB#0	21.52	PASS
Band41	20MHz	16QAM	40620	50RB#25	21.53	PASS
Band41	20MHz	16QAM	40620	50RB#50	21.65	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.62	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.54	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.51	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.12	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.65	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.76	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.76	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.48	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	5.49	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	5.37	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	5.83	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.39	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	5.59	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.23	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	6.41	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	6.01	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	6.15	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.02	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	6.32	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	5.84	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	5.77	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.13	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	5.65	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.23	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	5.64	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.11	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	6.35	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	5.99	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	6.37	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.01	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	6.64	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	5.90	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	5.56	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.41	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	5.76	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.56	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	5.48	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.43	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	6.50	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	6.03	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	6.53	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.13	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	6.26	13	PASS

Band41	15MHz	16QAM	41515	75RB#0	5.96	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	5.02	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.05	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	5.23	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.23	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	5.61	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.18	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	5.82	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	5.91	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	6.11	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.02	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	5.73	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	5.93	13	PASS

Test Graphs

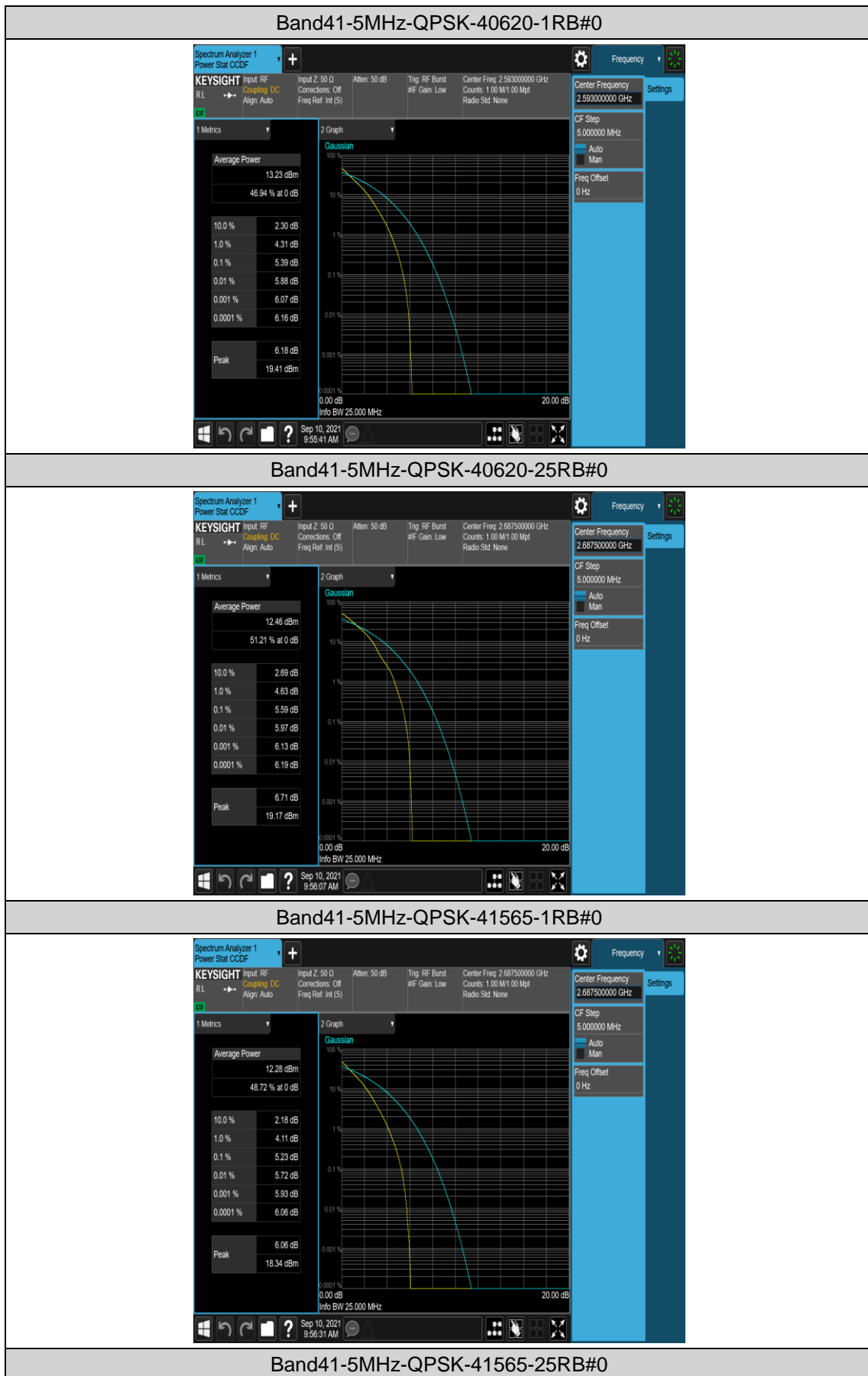


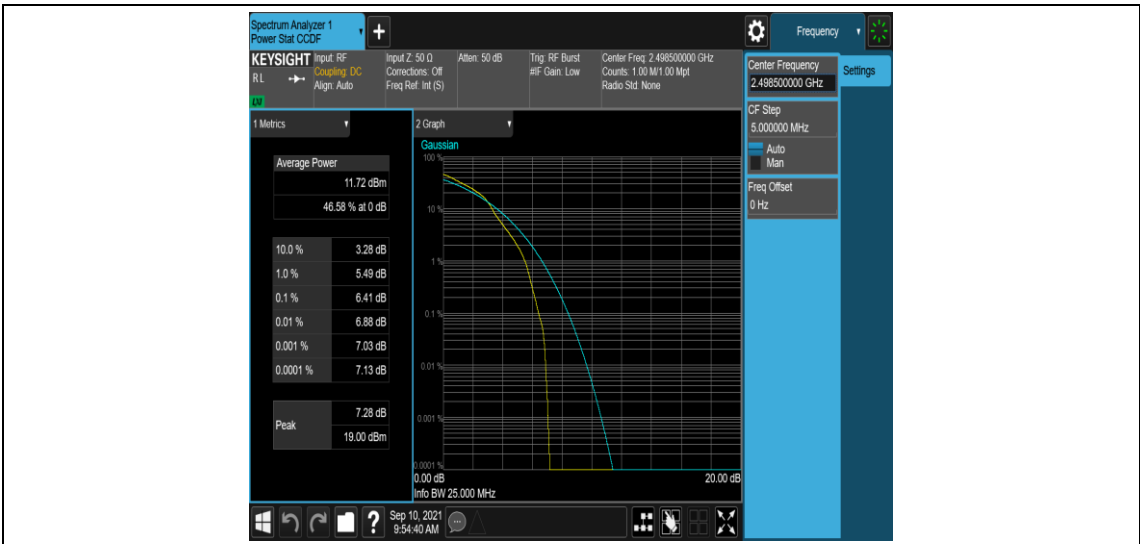
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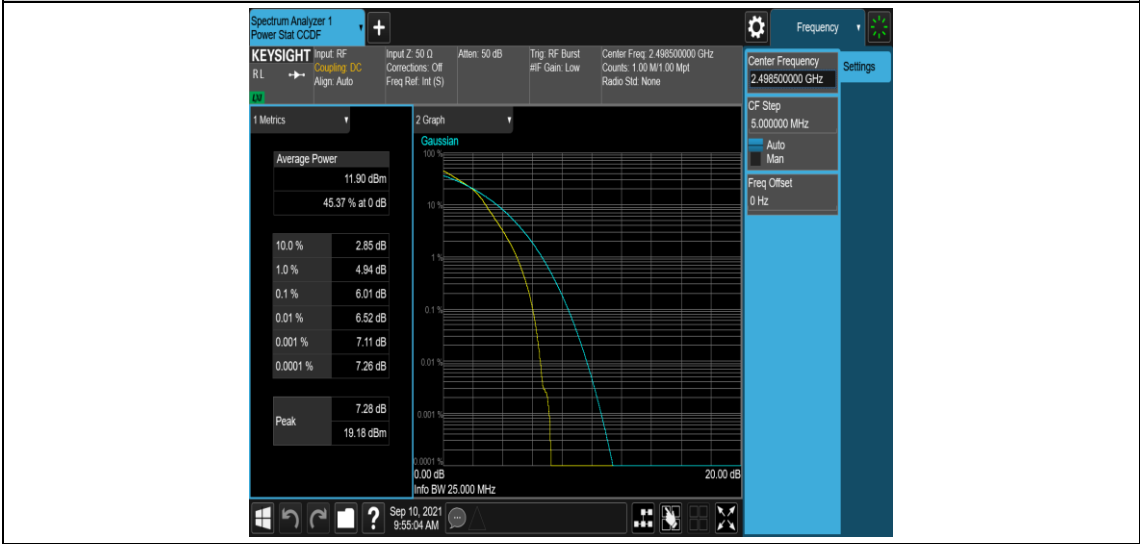
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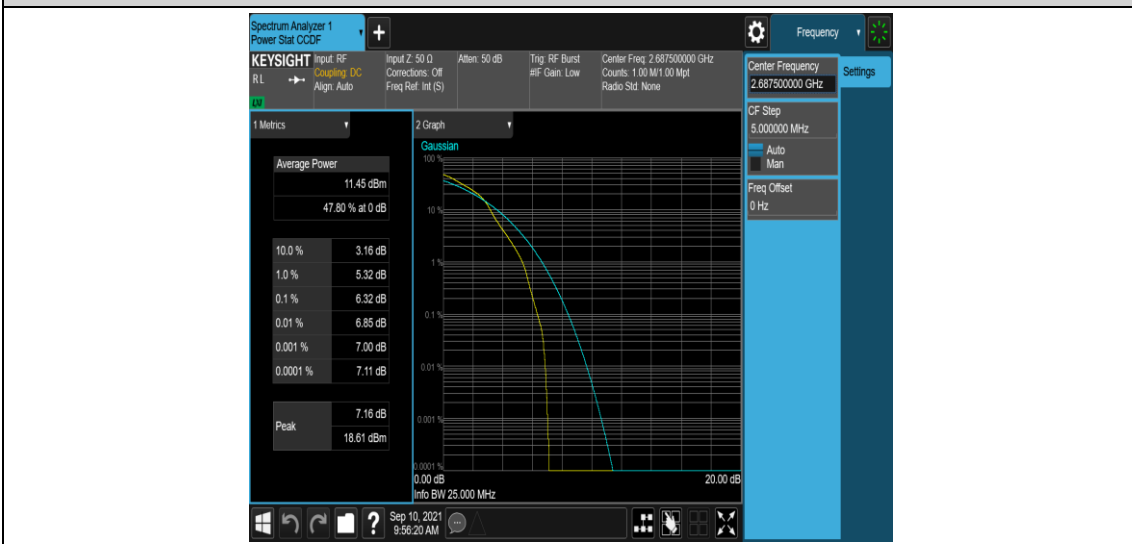
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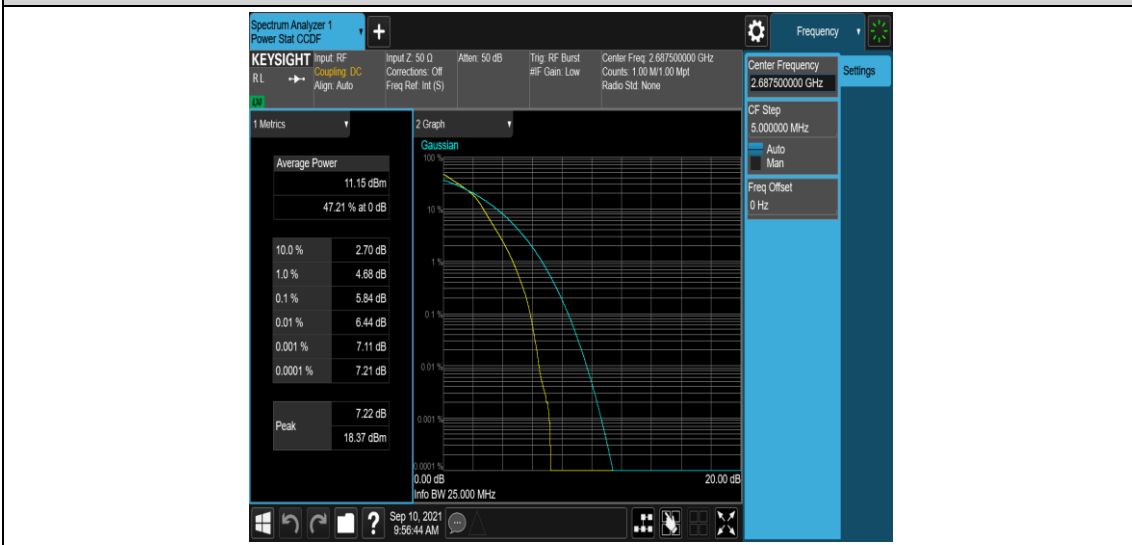
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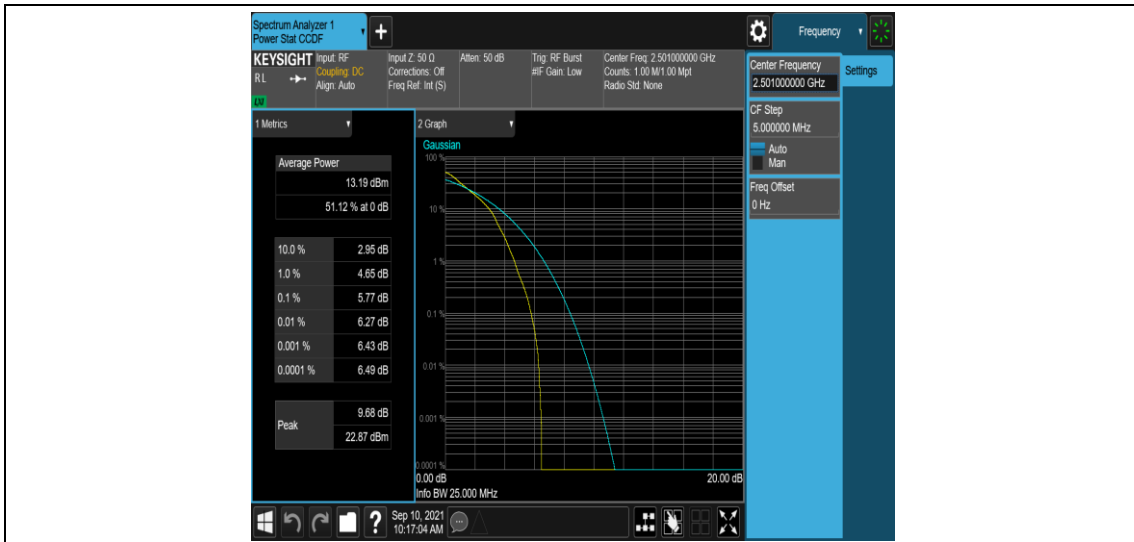
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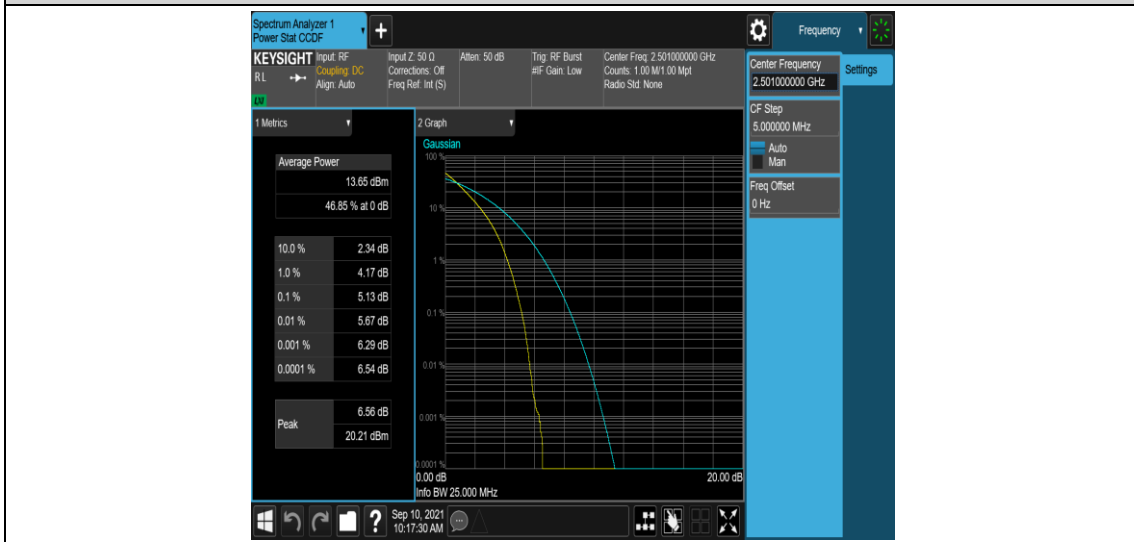
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Band41-10MHz-QPSK-39700-1RB#0



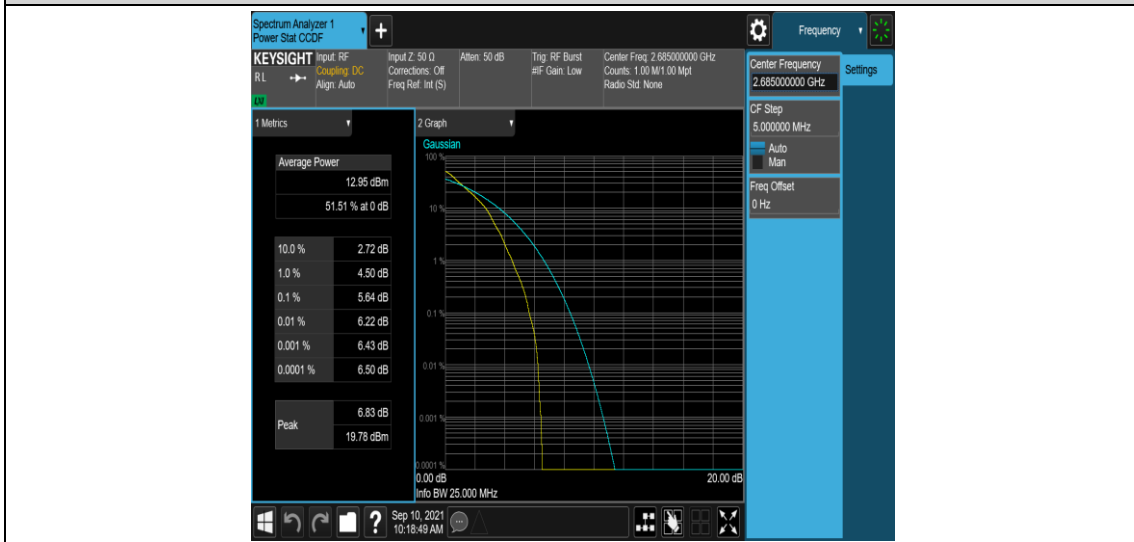
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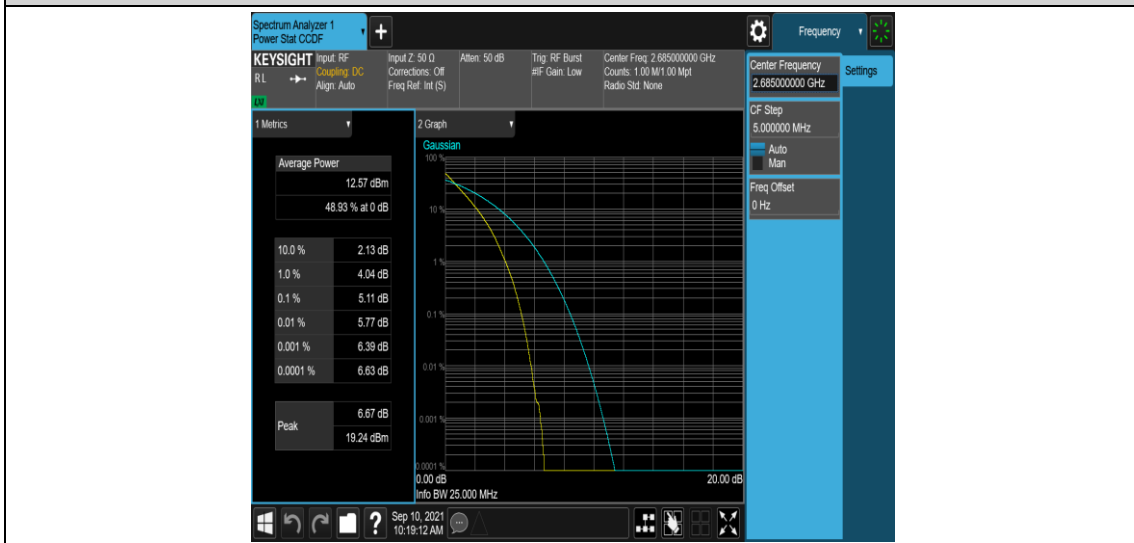
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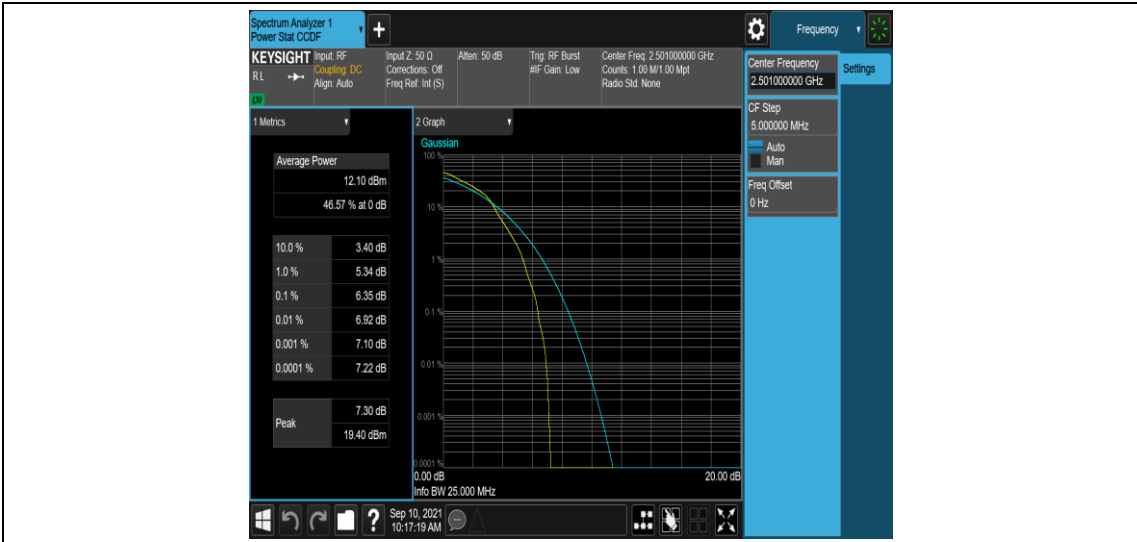
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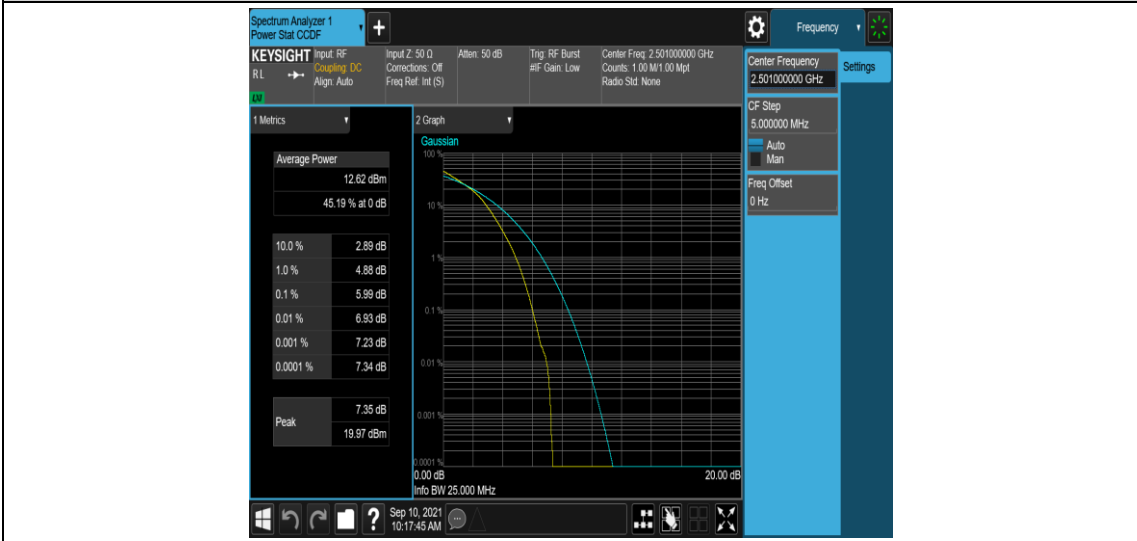
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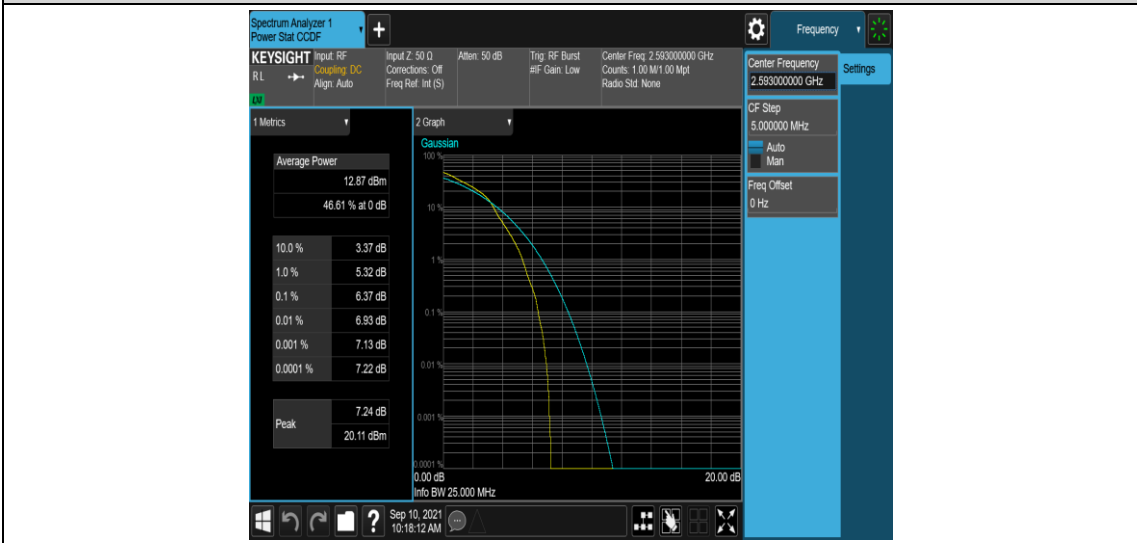
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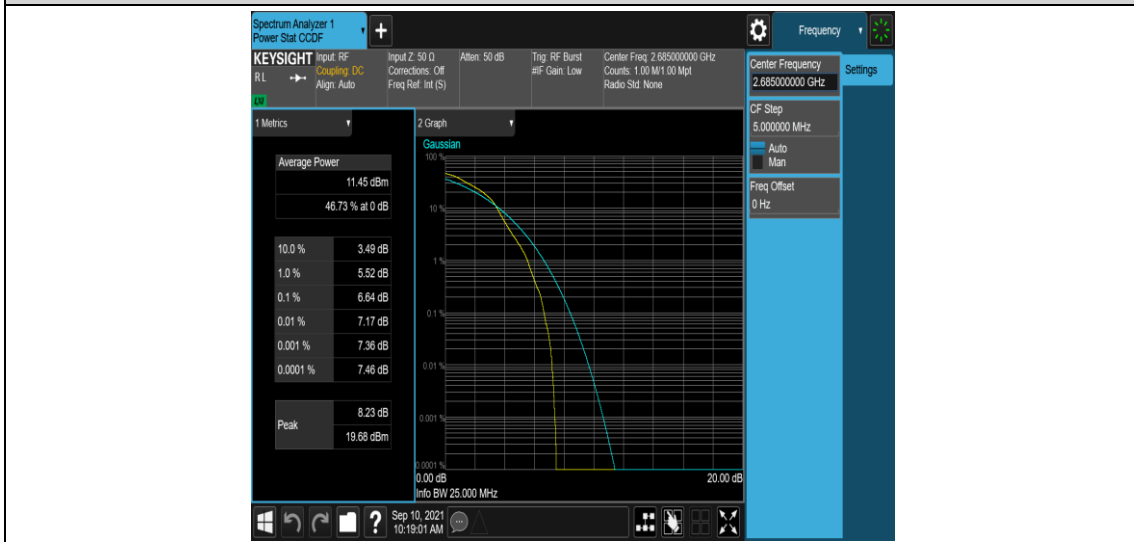
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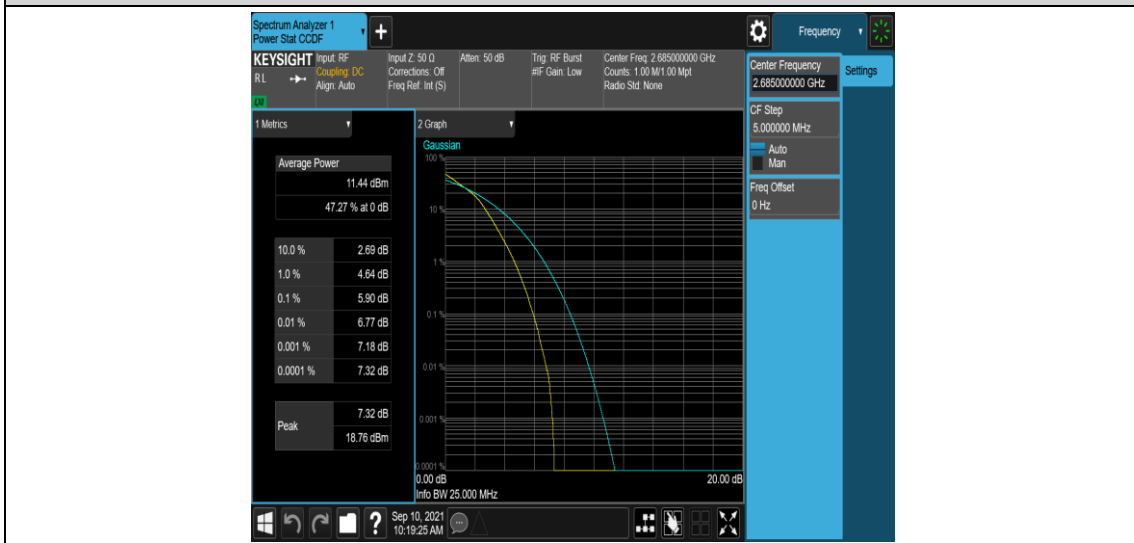
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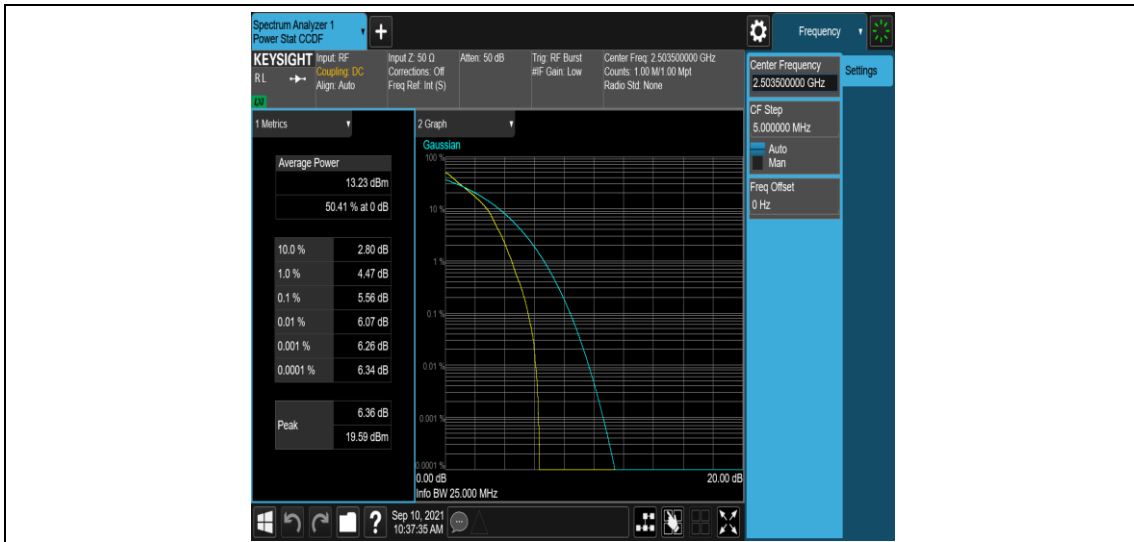
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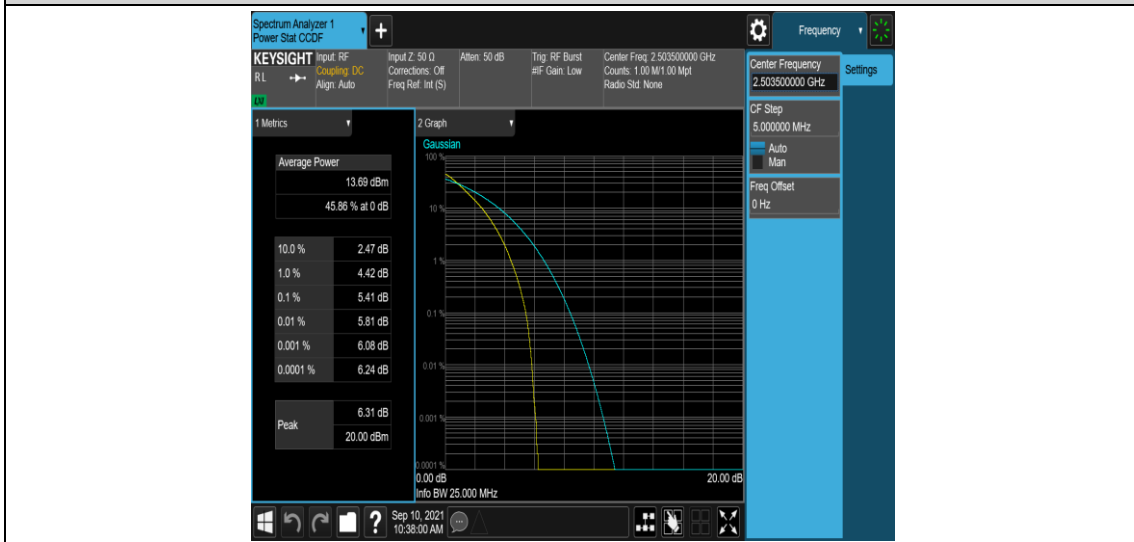
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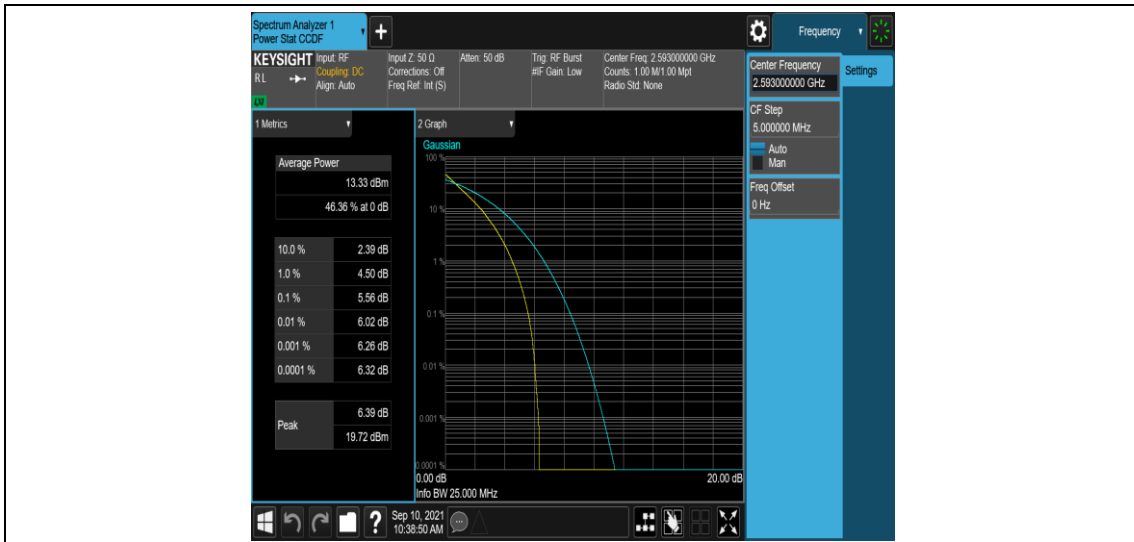
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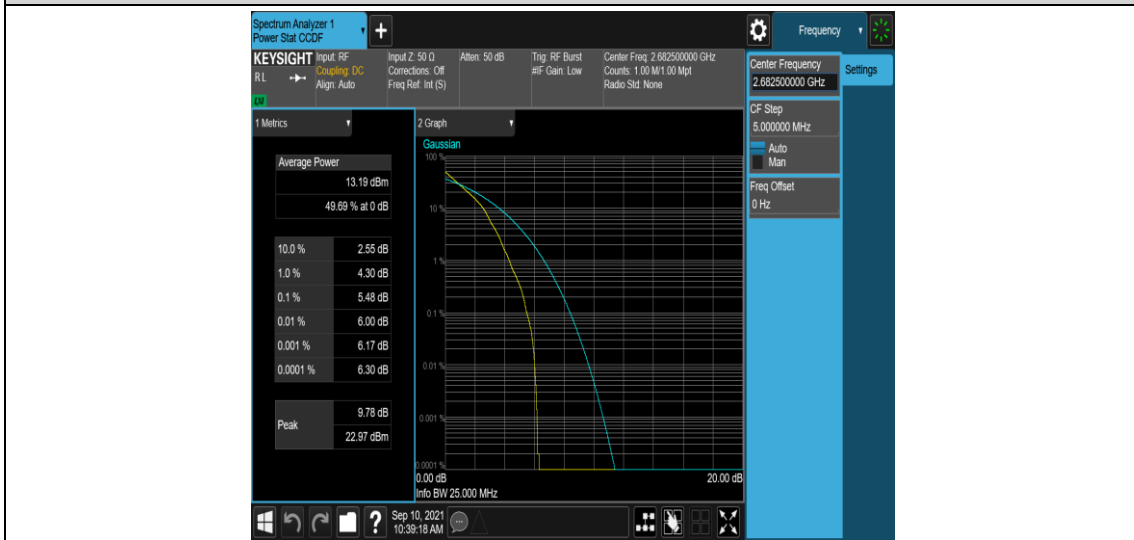
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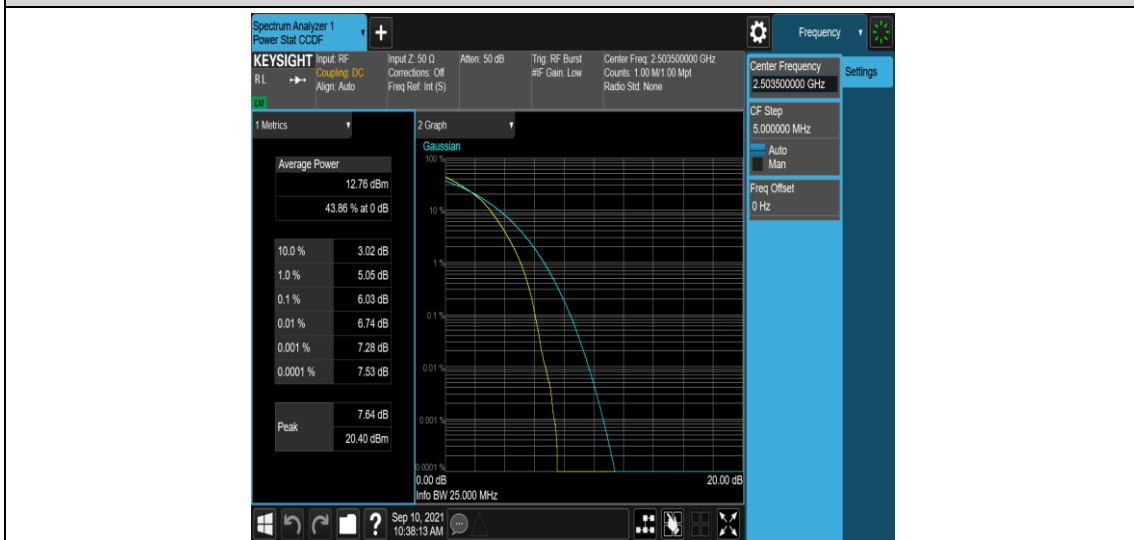
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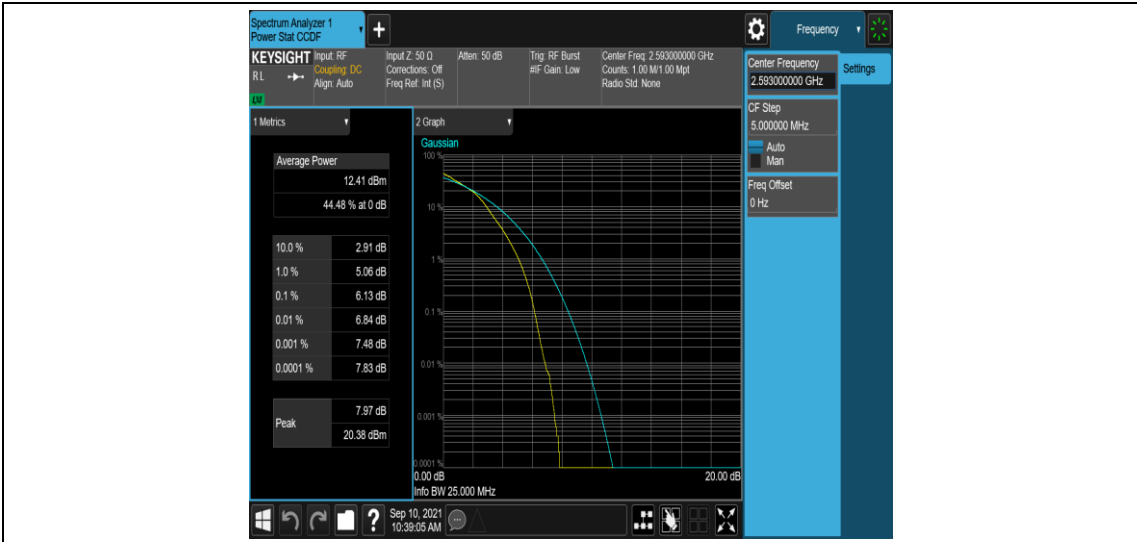
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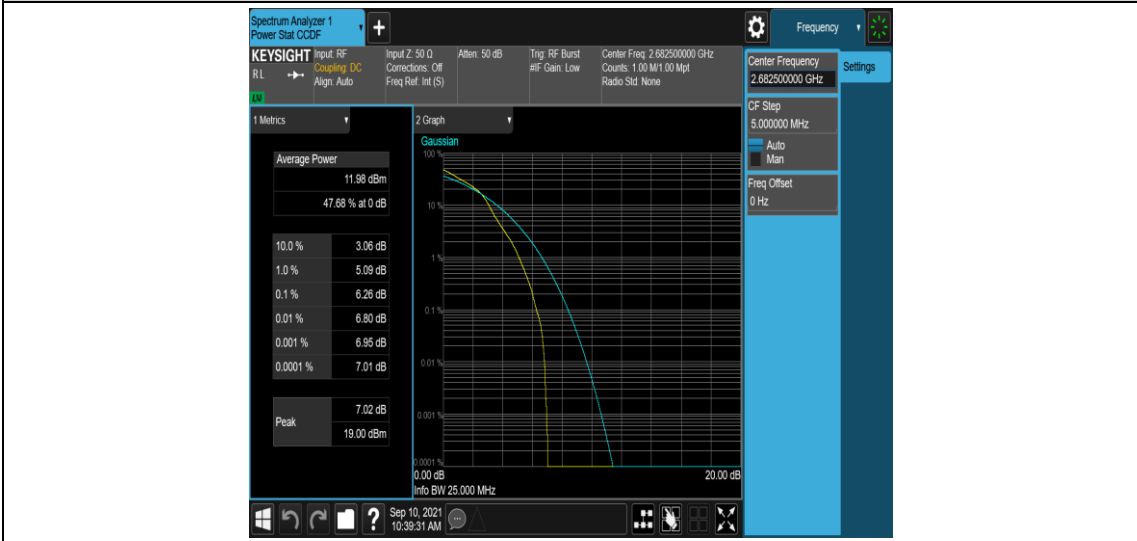
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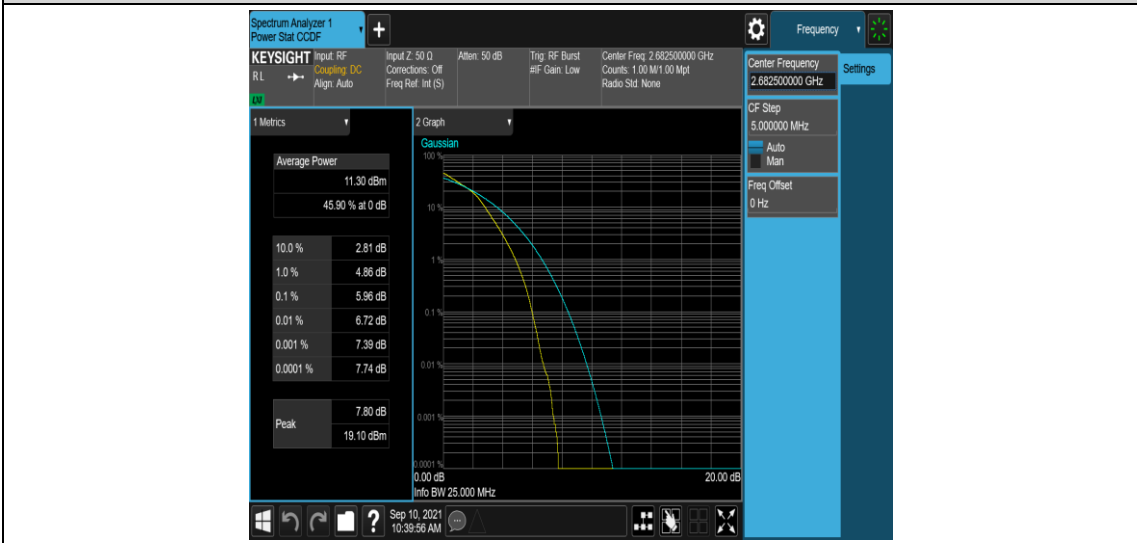
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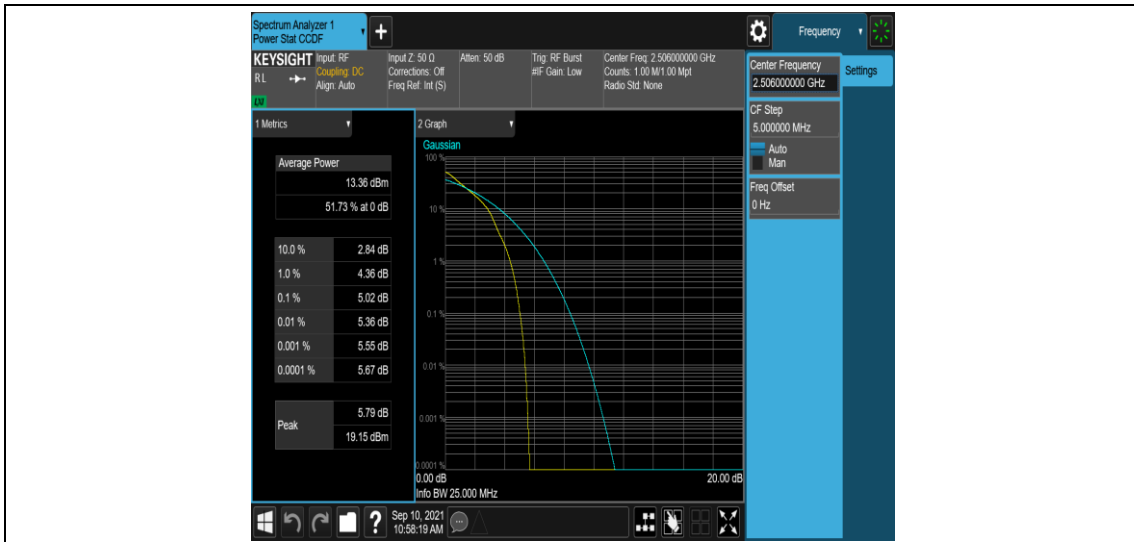
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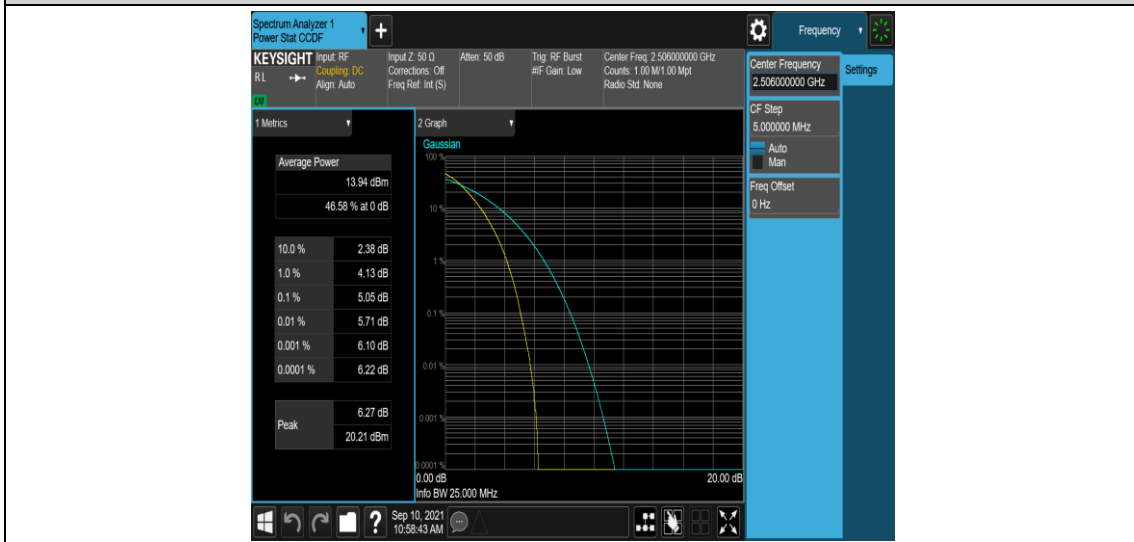
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Band41-15MHz-16QAM-41515-75RB#0



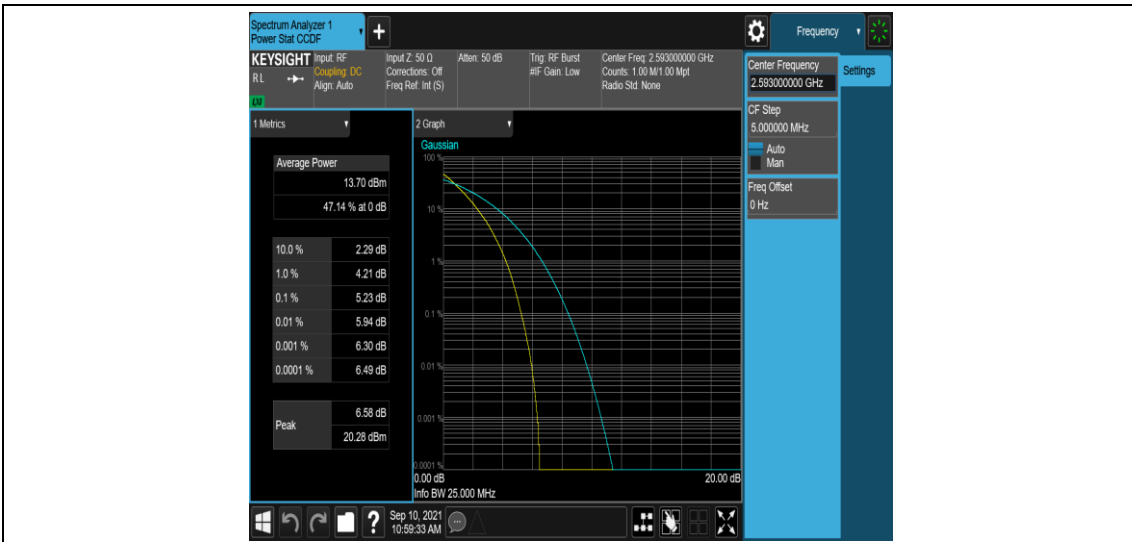
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Band41-20MHz-QPSK-39750-100RB#0



Band41-20MHz-QPSK-40620-1RB#0



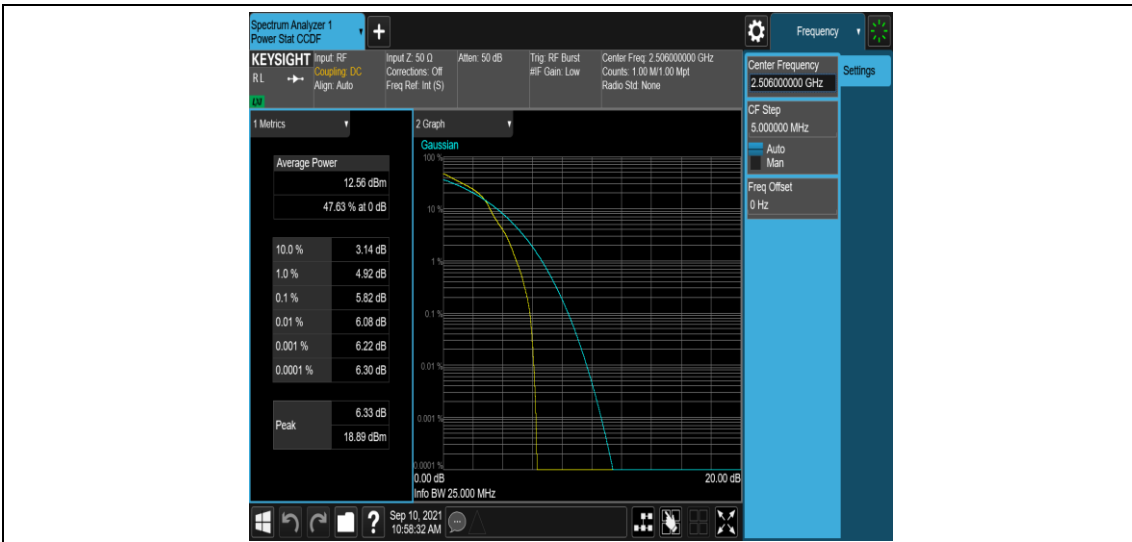
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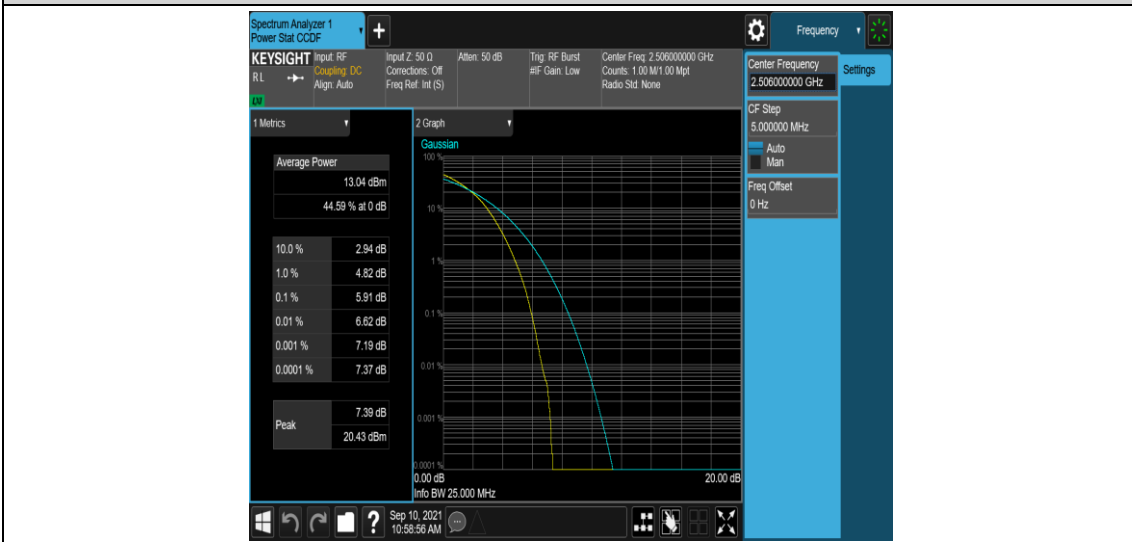
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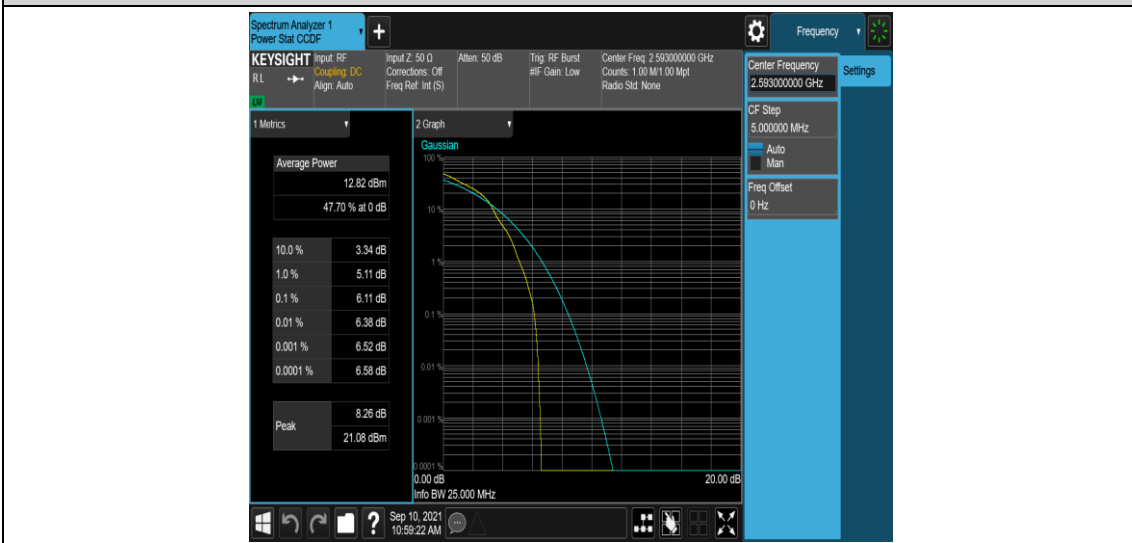
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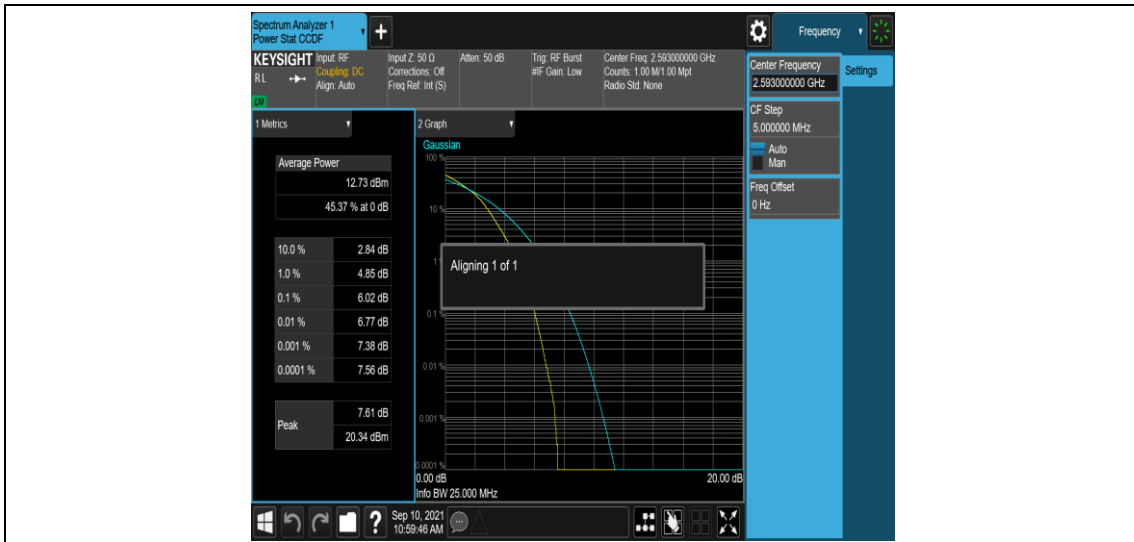
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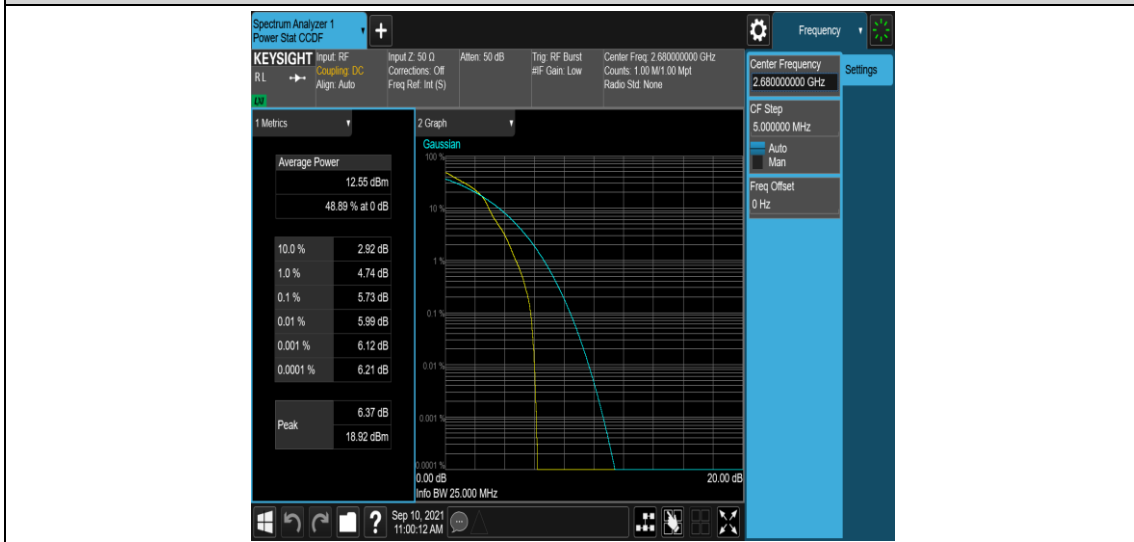
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Band41-20MHz-16QAM-40620-1RB#0



Band41-20MHz-16QAM-40620-100RB#0



Band41-20MHz-16QAM-41490-1RB#0



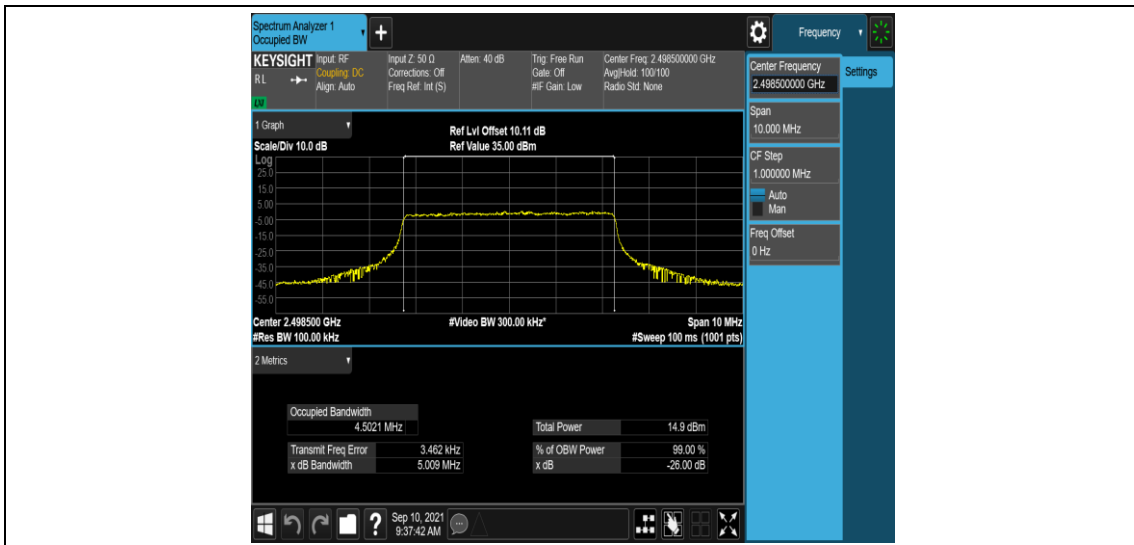
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Appendix C: 26dB Bandwidth and Occupied Bandwidth

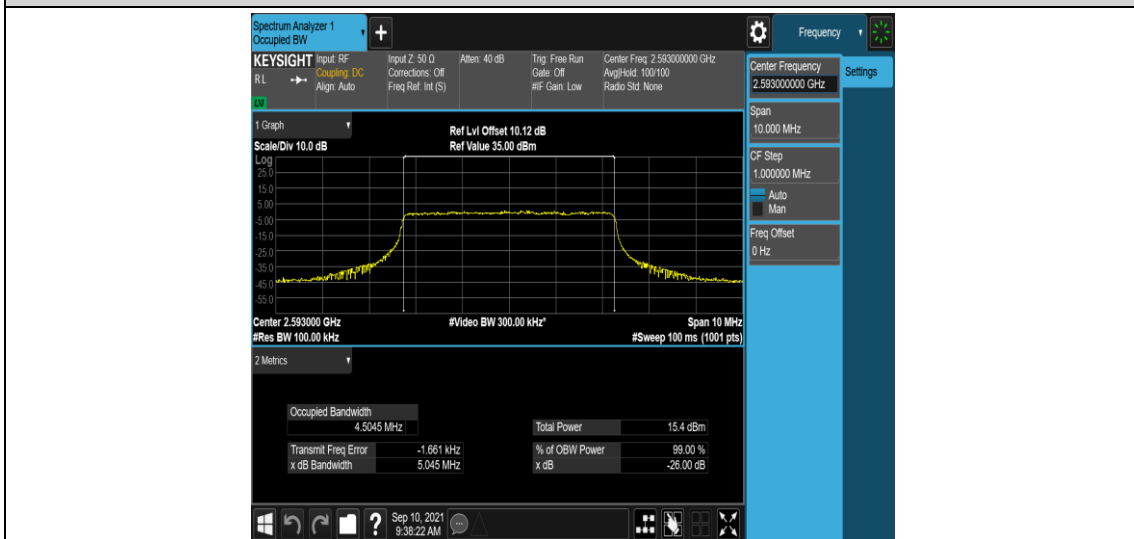
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5021	5.009	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5045	5.045	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5095	5.057	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4978	5.001	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4947	5.052	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5002	4.994	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9585	9.530	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9663	9.535	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9643	9.581	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9650	9.517	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9789	9.535	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9813	9.538	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.441	14.24	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.458	14.24	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.481	14.28	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.427	14.22	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.453	14.26	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.470	14.24	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.854	18.89	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.914	18.92	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.937	18.92	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.844	18.90	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.900	18.93	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.924	18.94	PASS

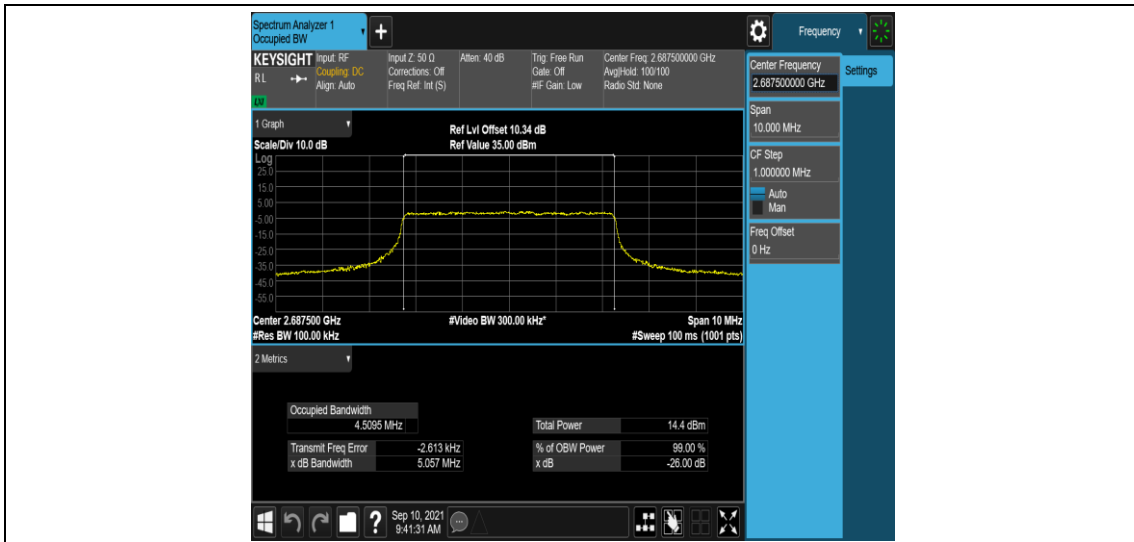
Test Graphs



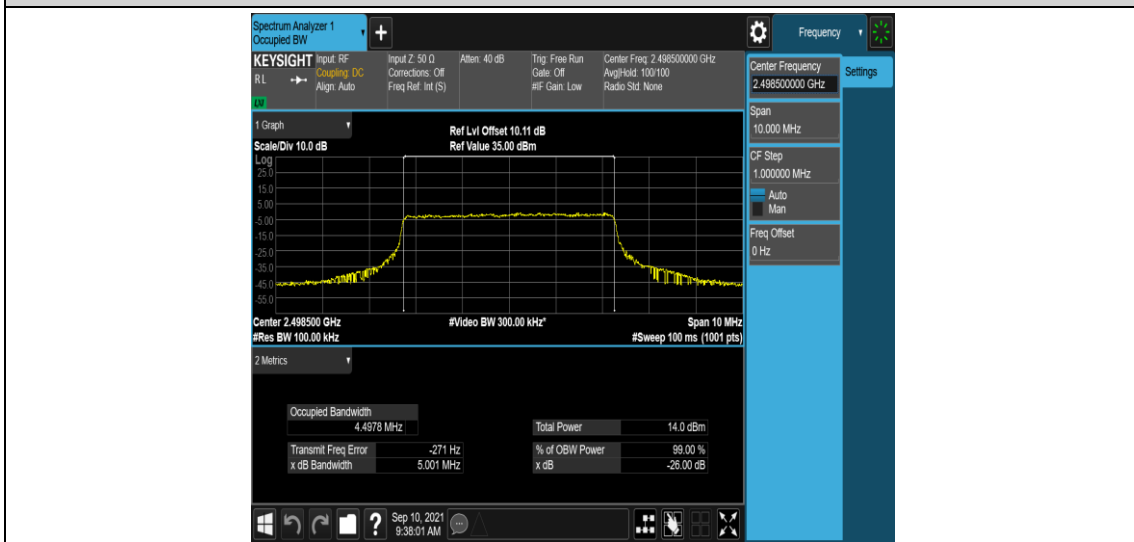
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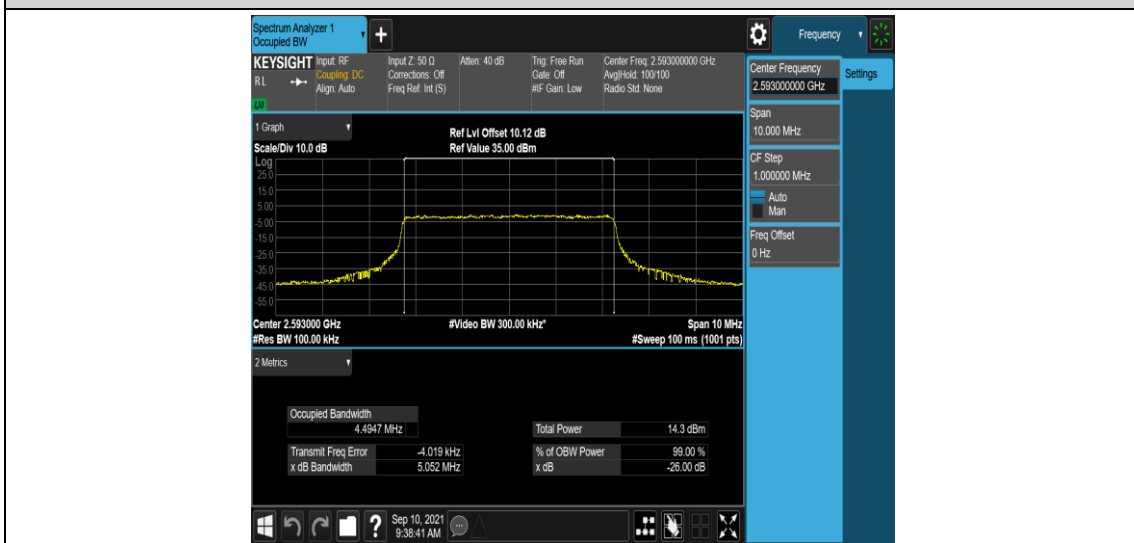
Band41-5MHz-QPSK-40620-25RB#0



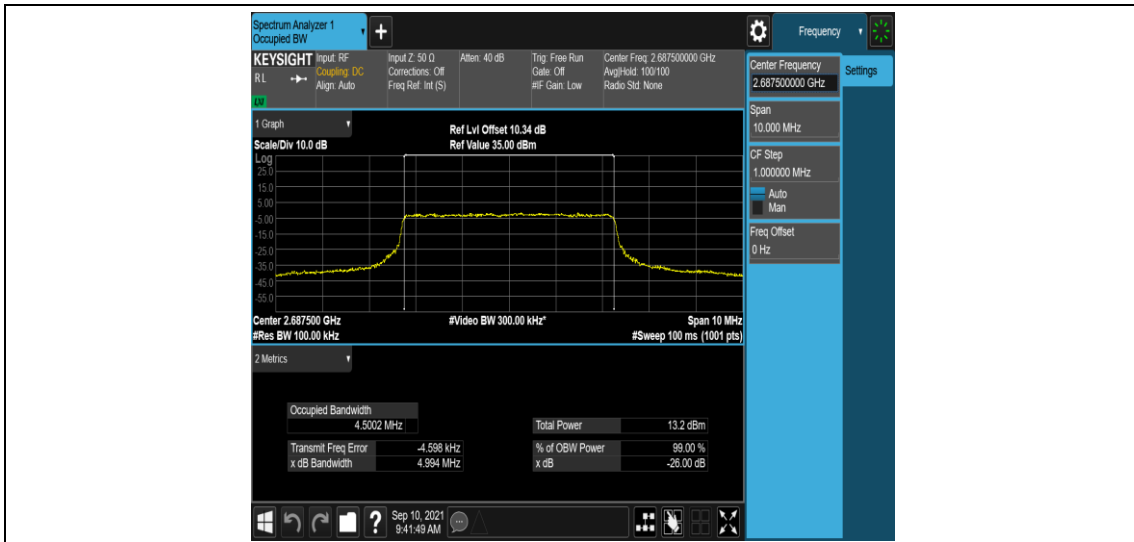
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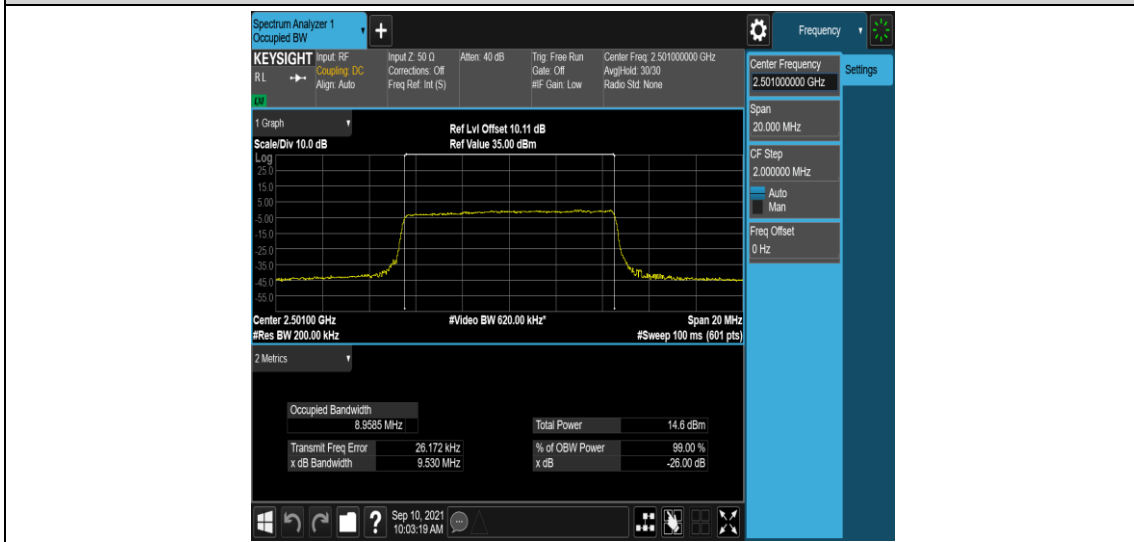
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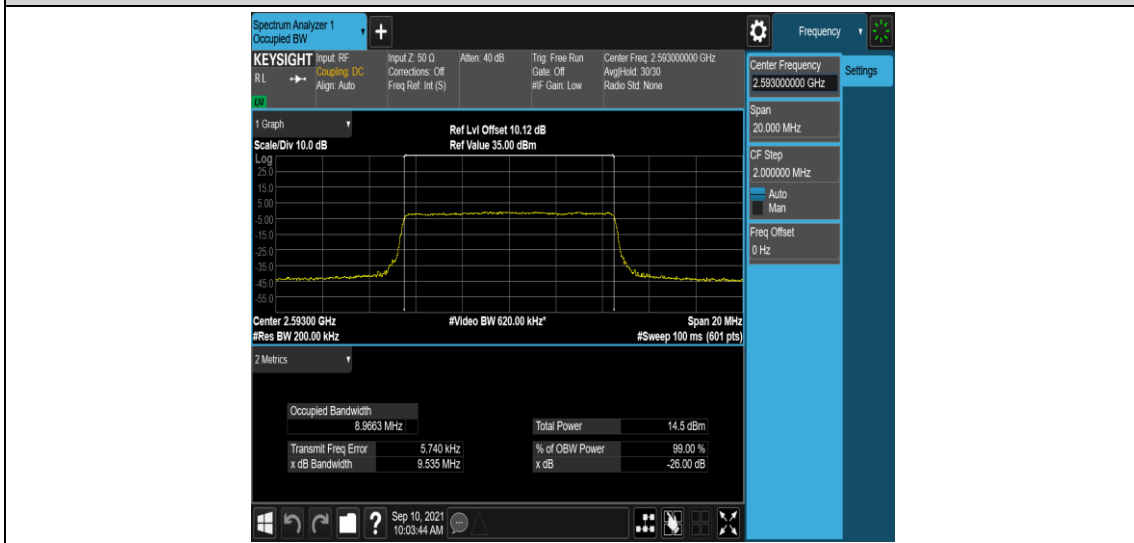
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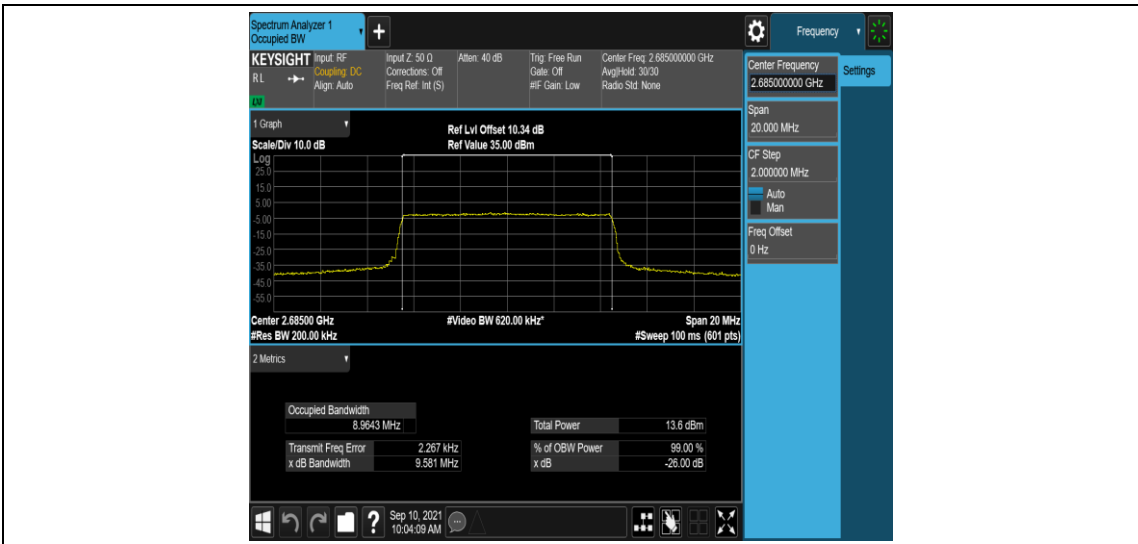
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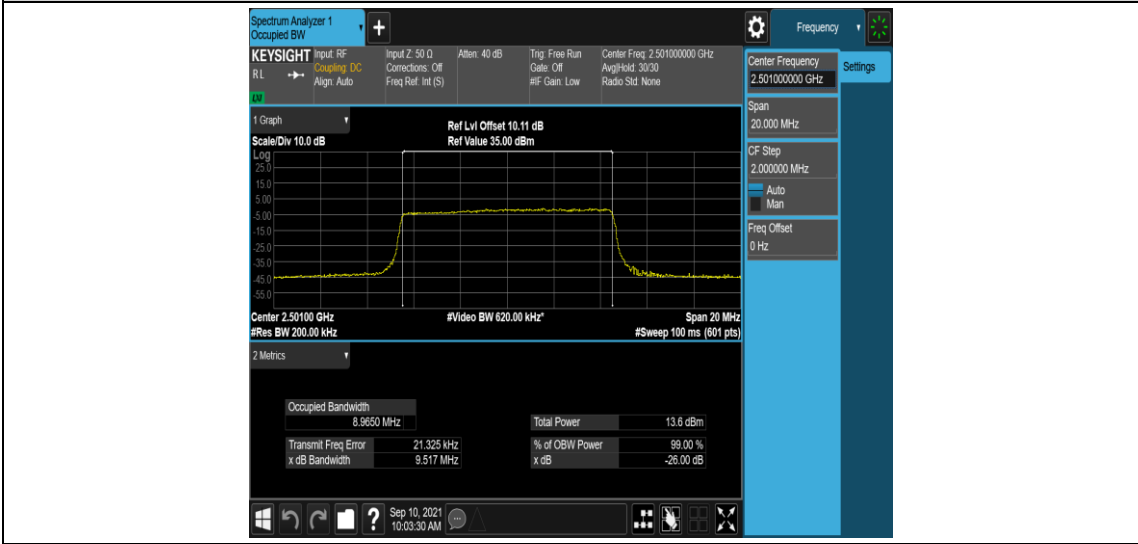
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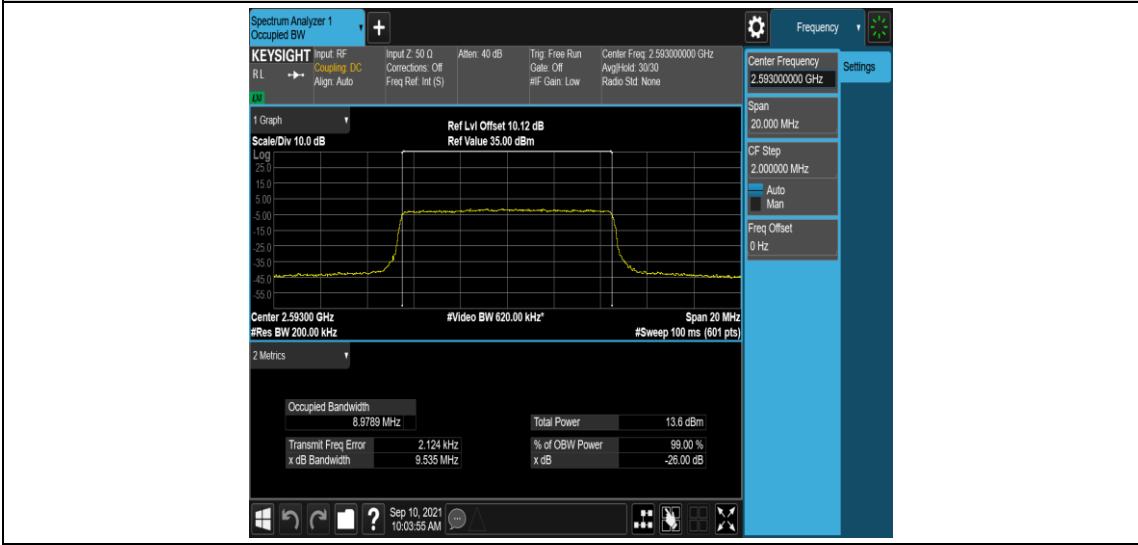
Band41-10MHz-QPSK-40620-50RB#0



Band41-10MHz-QPSK-41540-50RB#0



Band41-10MHz-16QAM-39700-50RB#0



Band41-10MHz-16QAM-40620-50RB#0